Nokta ENGINEERING

GOLDEN KING

DEEP PROCESSOR RADAR

Secrets of Thousands of Years
Now Unfold.
Code of Soil Deciphered...

Nokta ENGINEERING DETECTOR TECHNOLOGIES CENTER

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Dear Consumer;

Having always provided the firsts in the field of Electro Magnetic Detection and Signal Processing technology so far from the beginning of its establishment, NOKTA ENGINEERING started New Generation radar era by surpassing all Detector Systems manufactured in Turkey and worldwide with its GOLDEN KING DEEP PROCESSOR RADAR equipped with New Generation Radar.

When developing GOLDEN KING DEEP PROCESSOR RADAR system, we took advantage of all our experience basing on long years to have a system that always desired and imagined by the consumers. NOKTA ENGINEERING, the best manufacturer in the world, could manufacture the best system in this field.

Thanks to our R&D team specialized on Electro Magnetic and Radar system, believing that there is nothing impossible, we delve into all characteristics required by the consumers and, after comprehensive studies, we started our operations to develop a system even beyond requirements and expectations of the consumers.

Using the latest technologies which have never been used before in the sector and worldwide by taking advantage of an extraordinary engineering operation, era of a new generation radar, GOLDEN KING DEEP PROCESSOR RADAR, started, which has a storage memory more than 21.800 times other systems available now, performing more sampling and assessment more than 150 times.

With this unique technologic revolution, NOKTA ENGINEERING proved that it is the most important manufacturer in the field of Electro Magnetic not only in Turkey, but in the world as well. We present to the sector and consumers this invention which is a fruit of our specialized team of engineers, our understanding of service to the customers, our belief in our business, hardworking and unyielding will.

NOKTA ENGINEERING
Board of Directors

Future is Now...

Nokta ENGINEERING

Just like the human life, there are first in each sector. First car, First plane, First washing machine, First ship. These first are developed in the course of time until another first appears. The firsts are unique. It is the one that has never been seen so far.
With Golden King Deep Processor Radar, we, as NOKTA ENGINEERING, tried to develop a system which you have not witnessed in your life and now see it for the first time.

Instead of obsolete systems making simple processing by using simple processors, it is a system which even goes beyond modern requirements, surpassing all varieties of detectors manufactured since the first detectors, making such detectors things of the past.

A system to be called (Deep Processor Radar).

On Golden King Deep Processor Radar, a microprocessor having ARM926EJ-S core of ARM Microprocessor architecture in a number of fields from New generation mobile phones through handheld computers, Road Computers through New generation computers systems all preferred by the biggest technology giants (Motorola, Nokia, etc.) worldwide. This processor is also equipped with a JPEG / MPEG hardware accelerator functioning secondary processor. Thanks to this processor, the picture sending and video playing operations of the equipment are performed much more quickly.

LINUX operating system, well recognized worldwide for Embedded applications, is used on this hardware which is very powerful and able to perform quick process. User Graphic Interface allowing the user to more easily operate Golden King Deep Processor Radar operates on this operating system.

PIC microcontroller (Programmable interface controller) has been used on the metal detection system widespread so far. These microcontrollers have been used at capacities which could perform simple operations at the storage capacity of 32b. This capacity is 2GB for Golden King Deep Processor Radar. In other words, the microprocessor used on Golden King Deep Processor Radar is a technology which has storage memory 21.800 times 1 PIC microcontroller and sampling and assessment capacity of 150 times more.

While speed of one PIC Microcontroller processor is 10Mhz, ARM technology used on Golden King Deep Processor Radar is 216 MHz. Thanks to this enormous power and difference, the target signal detected under the ground is easily and simultaneously drawn in 3D and animated once the signal is received in real time.

Its unprecedented speed and processing capacity makes Golden King Deep Processor Radar the first and sole system which is able to process 3D digital signal real time, surpassing the technology in this field.

Thanks to all these hardware and software used, Golden King Deep Processor Radar will provide the user with all results, most accurate information which he/she could not obtain so far at the most advanced quality of the display technology.

ARM926EJ-S BASED MICROCONTROLLER

This microcontroller controls peripheral units such as camera recorder, DDR2 RAM, NAND Flash, TFT Screen and gas sensor, allowing data communication between them.
Storage memory capacity of 2GB. 216 MHz speed.

AUDIO CODEC

Thanks to the integrated AUDIO CODEC used in this system, the sampled digital sounds at the sampling speed of 96kHz are provided to the user in stereo by means of speakers giving all sounds on the entire sound track.
Furthermore, the internal programmable gain feature allows volume setting. Equalizer effects such as 3d/Bass/Treble are given to the sounds in many different formats.

INTEGRATED NAND FLASH

It is a permanent semi-conductive storage device. Software of the device, results obtained by the user and camera recording visions are stored in this unit.

INTEGRATED DDR2 RAM

This integrated temporary memory is used as buffer to temporarily store data required during operation of the device, ensuring the device software to operate at higher

ACCELEROMETER

Integrated ADXL330 Model Accelerometer
It eliminates adverse effect caused by the user's hand movements by calculating these movements
This system is used on Golden King Deep Processor Radar for the first time in the world and it controls the movements to ensure you to perform surface setting more correctly, giving user whether bobbin search level is correct or not.

CAMERA RECORDER

It ensures the user to watch on TFT color screen what is in the cave, cavern, well and similar places to which the user cannot have access. Thanks to its night vision LEDs, it may capture visions at the places of no light. If it is desired by the user, he/she may store for later watch on NAND Flash b means of user interface.

MAINBOARD

A printed circuit consisting of 11 layers, which uses casings (BGA) with 0.5 foot interval as designed in accordance with the high speed operation requirements (216 MHz).
It is a system hardly applicable in Turkey. 11 layer means higher speed and lower noise level. In this way, it allows processing much more sensitive signals.
The first system worldwide which is prepared in 11 layers is Golden King Deep Processor Radar.

GAS SENSOR

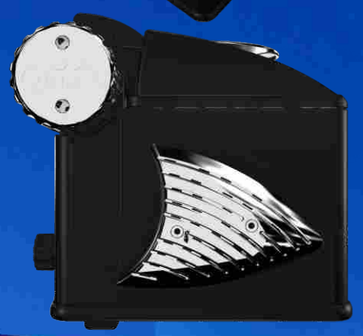
Methane gas (Ch4), frequently seen in the nature, becomes explosive when mixed with air. In order to prevent explosions and poisoning as a result of compression of methane gas in the places such as cave, cavern, etc., a gas sensor is used on the unit. The user may identify whether gas amount is at dangerous level basing on the data from the gas sensor, viewing it on TFT screen by way of graphics and warning messages.

EXCELLENT DESIGN

GOLDEN KING

DEEP PROCESSOR RADAR

MULTI-FUNCTIONAL KEYPAD



Golden King Deep Processor Radar is the first example of new generation radars. Being unique not in Turkey, but in the world as well, this excellent system is designed on basis of studies for long years made by the expert R&D department and professional design team of NOKTA ENGINEERING, the leader and pioneer organization in the sector.

From its design through production stage, D.P.R. system and accessories which have been designed to respond to all expectations of the consumer will ensure you to make searches and detection so clearly and exactly without use of any additional hardware which is a feature that no other systems can provide.

In the system box of Golden King Deep Processor Radar, there is a memory with storage capacity 21.800 times processors of other systems produced up to now and a mainboard containing ARM9-based microprocessor which allows sampling and assessment 150 times the other processors.

Whole Golden King Deep Processor Radar system is controlled by the most excellent software developed by LINUX operating system which is well recognized and the quickest operating system worldwide.

With its excellent design, aesthetics and ergonomy, it surpassed all previous designs and started a new era. From now on, nothing will be same in the sector and world because Golden King Deep Processor Radar will completely change perception quality of the consumers.

Equipped with 7” TFT screen that provides very high quality display and multi-functional keypad and system box designed on Notebook logic, this unique system is full of features which you will always have with you even when you do not perform any search and detection.

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7” TFT DISPLAY
262.000 COLOUR
800 X 480

HIGH RESOLUTION DISPLAY TECHNOLOGY

7" TFT screen we use is in size of 165mm (H) X 104mm (D) with active area of 152,4mm (H) X 91,44mm (D) for view purpose.
It operates with 800 X 480 (VGA), a quite high resolution for such size.

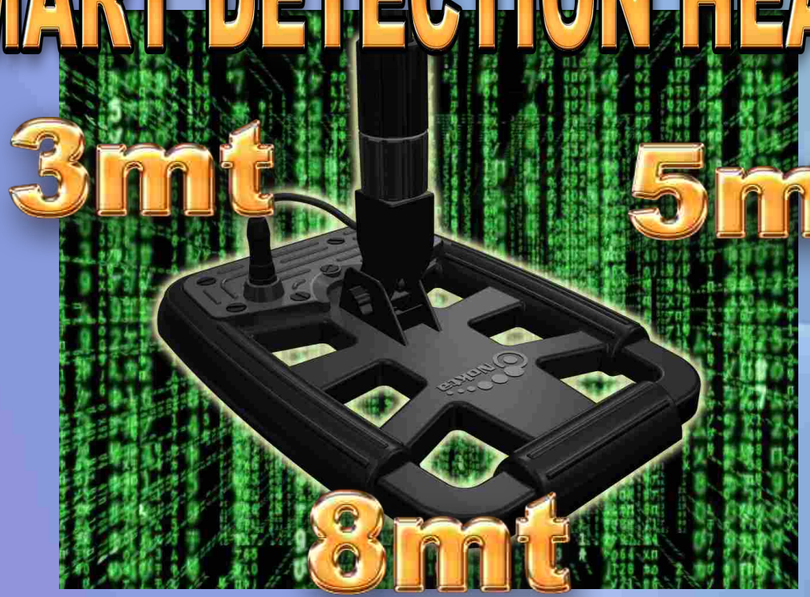
According to this size and resolution, size of a dot on the screen is 0,1905mm. As the pixels and dots are so small, it allows displaying images on the screen in more detail. Color depth of 18bit is preferred for very high quality display. In other words, this screen can display 262.000 different colors.

In order to improve its performance in sunny conditions, it has ANTI-GLARE feature to prevent glaring on the screen.

JOYSTICK

Ergonomic Joystick is design to allow the user to easily grip it. In order that the user evenly distribute power and not to be tired during search and detection, Joystick is positioned on Thermoset bar at the most convenient angle and designed so as to be multi-functional.
The button «CONFIRM» on it is positioned in the best way possible to allow reach of thumb for any confirmation operation during search and detection performed by the user.
The reset button under the joystick, again placed in easy reach of the user’s thumb, allows the user to return at any time he/she desires all settings manually to their original modes at the beginning of the Search.
With all its details carefully developed to its stylish design, Joystick is one of the most important components of Golden King Deep Processor Radar system.

SMART DETECTION HEADS



SMART DETECTION HEADS: a revolutionary invention in the detection systems. Giving the most excellent results appropriate for any purpose, these Search Heads will be with you at all times and places when you need them.
During research and detection on open area, there may always occur different needs. Sometimes you may have to search for even the minutest metals during surface searches and sometimes there may be conditions which require making deeper searches.

When designing Golden King Deep Processor Radar system, it was the first and one of the most important objectives to previously consider all conditions which you may find on the site and respond to such potential conditions so as to give the best results to our users.

To this effect, we developed SMART DETECTION HEAD. These search heads will not only give you the most accurate information, but also take under control all your movements that may adversely affect on the data during your search. Negative effects of these movements on the result are calculated to eliminate effects arising from the user's movements.

SMART DETECTION HEADS

SMART DETECTION HEADS manages and provides all information from movement and height through depth as required by the user.

SMART DETECTION system gives response to every need with a different head. With Golden King Deep Processor Radar, you will have three types of search heads. When you require, you will able to adapt three types of search heads to your system by means of a connector in seconds under any conditions.

Able to search at a very high resolution in depths of 3m-5m-8m, SMART DETECTION heads are one of the features making Golden King Deep Processor Radar system unique all over the world. SMART DETECTION operates once you open the system, observing every movement of you till completion of search and detection. Thanks to high display technology, the user views real time his/her movements on the monitor. It automatically takes diameter measure, giving depth info without changing to any other field.

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SURFACE SEARCH HEAD

First of the smart detection heads is Surface Search Head:

Especially searching objects that are small and close to the surface, this Search Head is capable to give good result at high resolution down to maximum 0-3 meters. It is an ideal Search Head for detecting single coin and it is more sensitive to small metals on the surface than any other search heads. When you desire, you may switch off «NONPRECIOUS» model to slow down your searches on the surface and continue search and detection by ignoring any nonprecious metals (beverage lids, Nail, Iron parts, Wires or Tin, etc.).

Surface search head has also high capability to differentiate metal. With this search head, you will make detection without missing anything, whatever small it is.

GENERAL DETECTION HEAD

Second of the Smart Detection Heads is General Detection head:

Giving excellent results in detecting targets at high resolution down to 0-5 meteres, this search head is designed to give you most accurate results both in depth and on surface.

Thanks to superior metal differentiation, excellent target identification and feature allowing to ignore nonprecious metals, search and detection operations will be very pleasing for you now.

DEEP SEARCH HEAD

Third of the smart detection heads is Deep Search Head:

Golden King Deep Processor Radar is designed to perform deep searches.

With this deep search head in size of 100X60, you will have results at high resolution from 0-8 meters in depth. Deep search head has also feature of metal differentiation feature. Due to its superior metal differentiation capability, you will get clearer information during your search and detection. Smart Detection Heads and whole Golden King Deep Processor Radar system has undergone great R&D operations chemically as electronically. On entire system and search heads, Thermoset engineering plastic is used and, therefore, it has excellent durability against all adverse conditions and harsh weather conditions such as temperature, moisture and cold.

UNLIMITED DEPTH

D.P.R SYSTEM

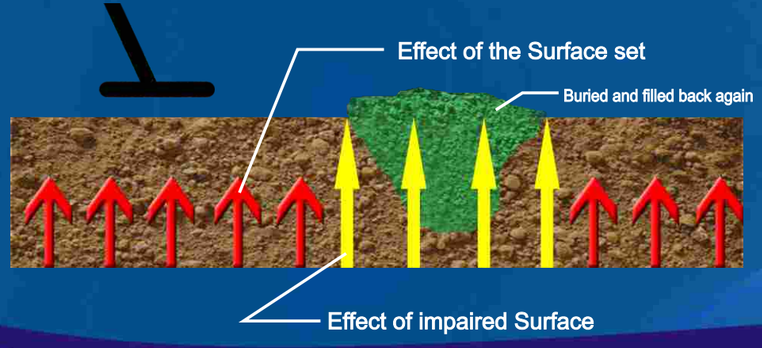
DEEP PROCESSOR RADAR SYSTEM

Golden King Deep Processor Radar, brand-new invention which meets requirement of depth longed for years and a novel solution. Ordinary detector systems have limited features which only performs positive detection, detecting metals only at certain depth. D.P.R. system you manufactured was used by means of a principle of operation much more different from that usual logic, using a very advanced technology.
Smart Detection Heads control and monitor all movements of the user, by starting from surface setting and the system has a function that prevents reflection of mistakes you may make during search on the results you obtain, following and assessing negative signals on the surface as well.

In this way, it follows all data that may affect or impair the surface setting after you have set the surface on site and perceives any changes that occurred on the site and informs the user accordingly. On the ordinary detector system manufactured so far, the negative effects could only be seen partially and, on the other hand, certainty of this effect has always been dubious because the negative effect reflected from this surface could stem from many reasons, even as a a result of approaching search head to the surface. Thanks to powerful storage memory higher than 21.800 times and processing capacity of 150 times the ordinary and former detector systems, now we tell you comfortably that this reflected effect stemmed from the surface.

Golden King Deep Processor Radar and Smart Detection Heads easily detect all kinds of objects buried in hundreds of meters from the surface on the impaired site by perceiving magnetic variations on the surface. Reason of the negative effect on the surface is the interventions made.

While Smart Detection Heads identify quickly and decisively positive effects received from the surface more than any other system, they also inform the user negative effects on the surface simultaneously during search and detection. With highly advanced ability to detect and assess negative effects, this system leaves behind the simple bobbin logic and, by calculating mistakes made by the user during search, do not reflect them on the negative effects it detects. In this way, while it makes assessment in a very accurate manner, depth of the invisible metal or hidden target does not matter. Golden King Deep Processor Radar and Smart Detection Heads will immediately find out such impaired place and locate the target in whatever depth it is.
Thanks to this system, the underground targets should not be necessarily metal; now no hidden or buried objects in any depth are secret or covert now thanks to Golden King Deep Processor Radar and Smart Detection Heads, which detect all external interventions made on the surface and all surface variations.
Golden King Deep Processor Radar is a system which you have not seen its equal so far. Our perception capacity of positive effect developed much more with this technology and, on the other hand, our perception capacity of negative effect has also increased as never been achieved by any other system worldwide.
There is nothing you cannot do by using Golden King Deep Processor Radar.



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In addition to its superior metal detection ability, now depth concept will change due to more advanced capability to detect negative effects. For example, assume that you bury a bracelet in a depth of 60 cm, which can be detected by the systems which are considered efficient. You may detect a bracelet at this depth by means of a system performing positive perception. However, when you bury it deeper by 10 cm more, your detection will be unsuccessful.

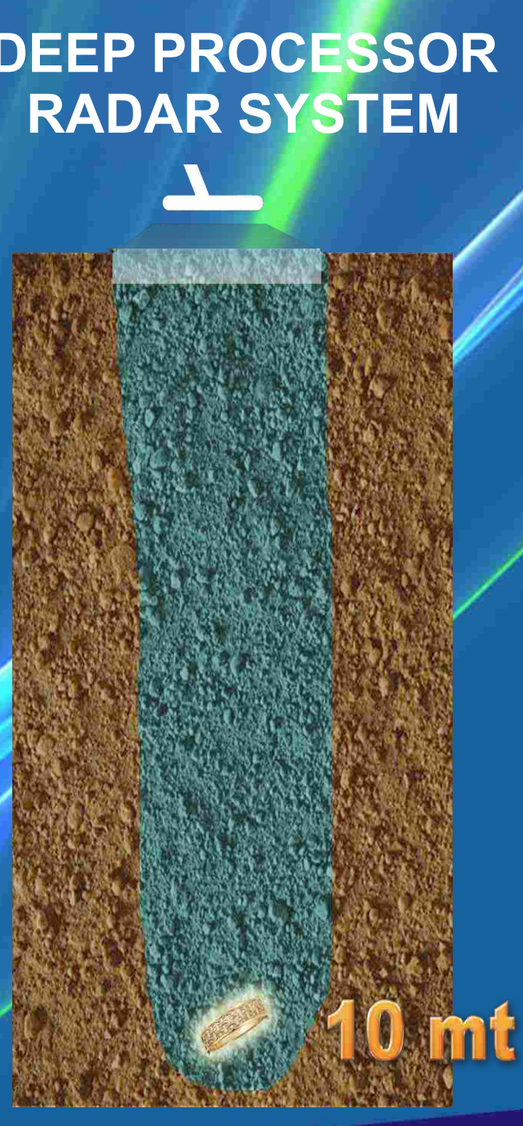
Now let's bury the same bracelet in a depth of 10m which no system in the world may detect. Golden King Deep Processor Radar will comfortably locate the place of bracelet due to its negative detection and perception capability.

Thanks to its unique system detecting variable magnetic structure on the surface, Golden King Deep Processor Radar starts a new era where unlimited detection is achieved at any depth. Now you may enjoy having the most advanced system over the world during your search and detection activities to your good satisfaction.

Negative perception has never been on any other system used in so more successful and decisive way compared to Golden King Deep Processor Radar. With unique technology we used on our system and our detection capabilities exceeding all limits, you will be able to perform any detection you have dreamt.
Go beyond the limits. Detecting metal objects that constitute positive effects from the ground in considerable depth, Golden King Deep Processor Radar will easily detect objects not containing any metal from the places they are buried, regardless of depth. You will have the single system which can detect all objects on site, metal or non-metal.
Whatever material the object is made of, it is of no important that is stone, marble, wood or plastic, Golden King Deep Processor Radar does not make any compromise from its detection capacity. You may not detect objects made of such materials by using any system as this comfortably as Golden King Deep Processor Radar.

Detector systems that have been produced so far have not achieved such level of detection. Our system has storage memory 21.800 times and sampling and processing capacity 150 times all other system, examining target signal in deep, without reflecting any natural structure or user-caused mistakes on the result and perceives clearly all external interventions on the surface.

We achieved the impossible things, setting out from your dreams.



NOTHING WILL REMAIN IN SECRET

Everything the user may need during his search and detection on site has been duly considered on Golden King Deep Processor: The most important one of these needs is related especially to:

Narrow passages, crevices, tunnels which are so narrow for human access and inability to see behind or inside the caverns opening to secret chambers, leading to stop search and detection. Again cellars filled with water, tunnels, caves and water wells are also important factors which prevent progress of excavations, search and detection.

We know great difficulty of each effort you made. We are pleased to develop a system which informs you whether it is worth making such corporeal and moral efforts.

- Pick-up Device:1/4" 1/3" SONY Super HAD CCD
- Picture Element: PAL:500(h)X582(v)
- NTSC: 510(H)X492(V)
- TV Systems: PAL / NTSC
- Horizontal Resolution: 480-420 TV lines
- Minimun Illumination: IR or 0 Lux
- S/N Ratio: More than 48dB
- Gamma Characteristic: 0,45
- Back Light Compensation: Auto
- Synchronous System: Internal Synchronization
- Lens Mount: Board lens: 3,6/6/8/12mm
- Video Output: 1,0Vp-p,75W,BNC Connector
- Infrared Lamps irradiation distance: 15m
- Auto White Balance: Auto
- Auto Gain control:Auto

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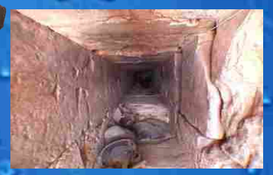

Thanks to the camera recorder system used on Golden King Deep Processor Radar which has very high display quality both on land and under water;

All spaces, whether be cave filled with water, passage, tunnel, cellar, water well, sea and lake, will now cease to be suspicious and secret for you. All these challenging conditions will no longer affect your searches.

Thanks to images you will take at DVD quality at such places with maximum data and display quality, no search or excavation shall be without result or postponed.

The camera recorder we used on Golden King Deep Processor Radar has very high display quality, equipped with night vision, easily taking pictures under water in depth of 30m and even at the spaces that receive no light.

As you will comfortably use it at any depth, your camera recorder comes with cable of 30m.

Only purchase of underwater camera recorder for taking pictures at depth of 30m, let alone radar system, would even cost you more than price of this unit. And what's more you will not perform recording with such camera recording system you purchase or have chance of watching the pictures as soon as you take them.

On the other hand, with King Deep Processor Radar, you will comfortably perform all these operations with a single system.

Because of ability of the system which allows watching and recording simultaneously, you will have chance of sharing all these pictures with your friends and experts subsequently.

With Golden King Deep Processor Radar, you will have not only the most developed new generation radar worldwide, but also enjoy your search.

You will be able to easily monitor spots in the places such as sea and lake and perform search at depths for scuba diving.

Golden King Deep Processor Radar will be one of the big advantages during your searches.

SETTINGS MENU

Golden King Deep Processor Radar is designed in six languages. Thanks to the superior software, it operates in the languages of Turkish, English, Bulgarian, Arabian, Persian and Greek. It has been designed to enable all consumers and users wherever in the world to easily operate Golden King Processor Radar.

All system and all texts will change to the language you select from the Language options menu.

With Golden King Deep Processor Rader, the user may perform search by ignoring nonprecious metals. In this way, it will eliminate any nonprecious metals and their effects due to pollution which may slow down your operations on site.
You may make selection between the tabs OPEN and CLOSED in the Nonprecious setting menu.
When you select the tab CLOSED, the unit will perform search without taking into consideration the nonprecious metals such as iron, nail, beverage lids etc. on site.

FOR THE FIRST TIME IN THE WORLD!

Display Technology used on Golden King Deep Processor Radar is a first worldwide. With this system, NOKTA ENGINEERING used a display technology with 7" TFT screen, color depth of 262.000, color resolution of 800X480 at DVD level quality, surpassing borders of current technology.
Golden King Deep Processor Radar is the first example of New Generation Radars which address to all expectations of the consumer, incorporate everything the users justifiably deserve, give due care to the minute details, change value judgments in the sector, allowing the user to perceive quality to the maximum degree and enjoy to operate it.

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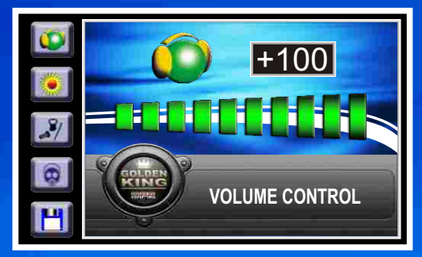
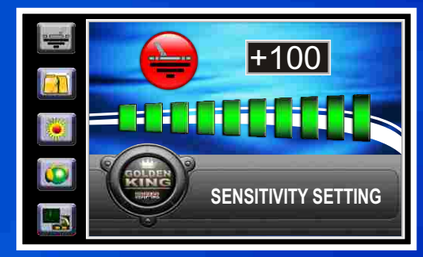


One of the novelties of Golden King Deep Processor Radar is:
It is VOLUME CONTROL menu. By use of this menu, you may control both stereo speakers located at both sides of the system box which is controlled by AUDIO CODEC technology which have never been used on any unit before. In this menu, the user may reduce or increase volume level as he/she desires

LIGHT SETTING menu on Golden King Deep Processor is consisted of two tabs:
1. SCREEN LIGHT SETTING: When you select this tab, you may perform setting through reduction and increase of brightness of 7" TFT screen.
2. KEYPAD LIGHT SETTING: This menu allows you to perform setting by reducing or increasing keypad backlight as per your selection that enables you to see keys and keypad comfortably and this feature is designed by using Backlight technology.
Performing search on site by using backlight technology applied for the first time in the world all will now be much more pleasing than ever, even at the environments which receive no light at all.



It is the menu where the user set the depth of Golden King Deep Processor. It allows the user, especially when making Surface setting, to set Surface setting by reducing sensitivity (Depth) when the unit cannot It is the setting option which allows the user to make Surface by reducing sensitivity (depth) depth when he performs Surface setting,
The Sensitivity menu allows the user to perform search at the depth he desires when he knows what he looks for.

Golden King Deep Processor Radar allows the User to search by use of two different digital interfaces.
In this menu consisting of two tabs, the 1st tab is search by Digital gauge: This tab is designed by taking into consideration old habits of the users. It is exactly digital copy of the gauge equipment. In this special interface, the sections Cavity, Metal, Scope and Radar are easily monitored ad you will obtain in the section Radar all information an directions related to target signal. 2nd tab is DIGITAL SEARCH: When you perform digital search in this interface, you will enjoy technology and visually monitor data on the screens of Radar, Scope and Search and will briefly reach to the result by means of directions for the operations to be performed in addition to all data in the Report screen.

On Golden King Deep Processor Radar, both AUTOMATIC and MANUAL Surface Settings are used.
Logic and technology of Surface Setting was renewed and thus ACCELEROMETER technology is used on Golden King Deep Processor Radar for the first time in the world. Thanks to this technology, all movements of the users are now measurable by the system.
Used on Golden King Deep Processor for the first time in the world, this system constantly keeps under control the search level where the user keeps the search head. Monitoring distance of the search head to the ground, it allows Surface Setting in the most accurate manner.
With real time animation indicating Search head used in the interface, the user monitors his own movements and enjoy to obtain information whether bobbin is at the right level by means of this interface.

GAS SENSOR

Another first by NOKTA ENGINEERING. Thanks to GAS SENSOR used on Golden King Deep Processor, you will be able to get information especially whether there is methane gas in the confined places for the first time in the world.

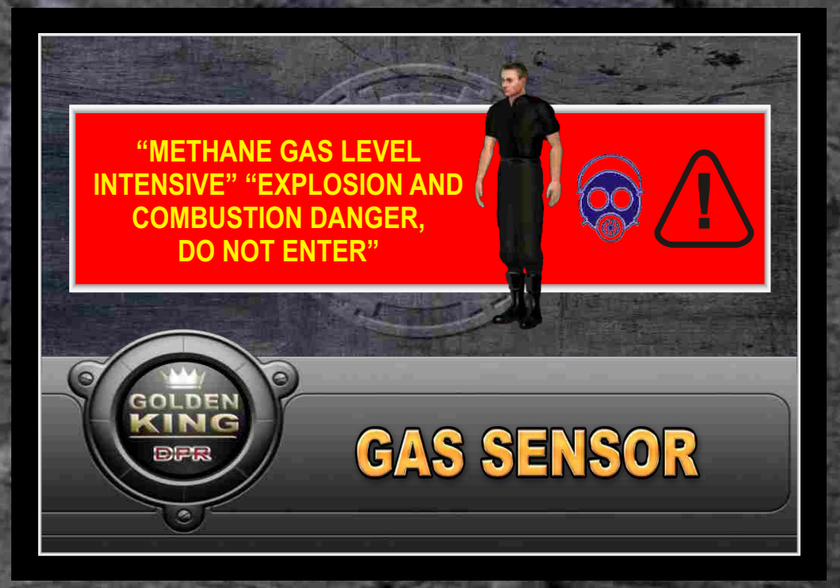
Golden King Deep Processor Radar will tell you whether level of methane gas at the closed or open area you measure is harmful to human health or not.

For years we have always read and watched a great number of painful cases from the media. When developing this system, as a requirement of our service strategy and our responsibility against the users, we first of all considered user security and take into account all possibilities to prevent users from being face to face with difficulties.

Technology is for service to human beings.

Protection of human life requires very good and powerful hardware.

Your life is very important for Golden King Deep Processor.



When you perform measures in the closed or open sites where you perform measurement by using Gas Sensor of GOLDEN KING DEEP PROCESSOR RADAR, the system will test whether methane gas level in the environment is appropriate for human health or not and give either two messages, « INTENSIVE » or « SAFE». If gas level is intensive, the warning screen above will appear.

When you perform measures in the closed or open areas by using Gas Sensor of GOLDEN KING DEEP PROCESSOR RADAR, if the system detects that methane gas on the site is safe for human health, then the message «**METHANE LEVEL SAFE**» will appear. When this screen appears, you may continue your search and detection in safe manner.

KEYPAD

On Golden King Deep Processor radar, an ergonomic and multi-functional keypad designed on basis of Backlight technology.

The system allows you to set backlight of keypad at any level of brightness you desire and enables you to easily see and use keypad even in the environment without any light at all.

When developing this system, it is intended that you perform setting at the Off and Brightness options as you desire to make you feel comfortable feature of Backlight technology during search and detection.

SOLAR MODE:

On Golden King Deep Processor Radar, SOLAR MODE was used to ensure the user to be able to see 7" TFT screen easily under direct sunlight and to eliminate adverse effects of the sunlight.

This mode is activated in whatever section and menu you are by means of SOLAR MODE KEY on the Keypad as shown in the opposite. When it is pressed, it switches to the color scheme which allows you to see the screen easily and prevents negative effect of the sun on the use until it is pressed again in sunny weathers.

NAVIGATOR KEYS;
It is navigation system on Golden King Deep Processor Radar which is consisted of four keys, namely, Up-Down, Right-Left, allowing you to navigate across all menus and all tabs.

It is On/Off key of Golden King Deep Processor Radar system.

It is the exit key which exits you from the section where Golden King Deep Processor Radar system is present to return to the previous section.

It is the key which allows switching to the camera recorder mode of Golden King Deep Processor Radar system.

It is the recording key for the result screens of Golden King Deep Processor Radar and record Video pictures.

It is Surface setting key of Golden King Deep Processor Radar. You may refresh your surface setting by pressing this key at any time you desire.

It is Info key of Golden King Deep Processor Radar.
In whatever menu or section you are, you get information about that section.

It is a key to switch to Gas sensor of Golden King Deep Processor Radar system.

It is Screen light setting key of Golden King Deep Processor Radar.

It is delete key of Golden King Deep Processor Radar system.
You may delete your wrong entries by pressing this key.

It is command button of Golden King Deep Processor Radar to start application.
It ensures you to activate your selections.

It is the reduction key of Golden King Deep Processor Radar system for all settings.

It is increase key of Golden King Deep Processor Radar system for all settings.

NUMERATOR; It is the section which is applied on Golden King Deep Processor Radar for the first time in the world to use when you record the result screens and video pictures. Thanks to this feature, you will be able to ender date / name /location information related to your recording both in figure and letter by use of multi-functional keypad system.
On the keys, the first function is designed as numerical and the second and third functions in letter. Because it is designed by considering that the users are accustomed to use keys of mobile phones, it will not last long for you to be accustomed to and user Numerator conveniently.

GENERAL DETECTION

Nokta
ENGINEERING
GENERAL DETECTION
YOU DETECTED A TARGET! TO GET ALL INFORMATION ABOUT THE TARGET, PLEASE HOLD THE CONFIRM BUTTON PRESSED AND PASS OVER THE TARGET.

ANOTHER FIRST IN THE WORLD !

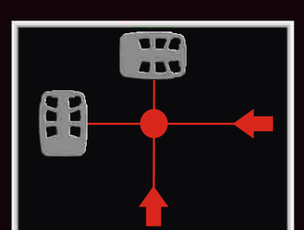
Golden King Deep Processor Radar provides you with two brandnew interfaces. With these new interfaces, you will enjoy to enter Digital world to unfold what is unknown and see what is invisible. Select one of two interfaces in the settings menu to perform search as you desire.
The first of these interfaces is GENERAL DETECTION.

Our new interfaces are different from all systems currently known and more technologic-driven and innovative more than all other systems.

On 7" TFT screen, thanks to display technology at DVD quality, it will be pleasing and easier for you to perform search by Golden King Deep Processor Radar which you have never experienced before. This new interface and everything on Golden King Deep Processor Radar are controlled by using LINUX operating system recognized worldwide. LINUX is an operating system, remarkable with its speed and resolution, with minimum response of 1 microsecond, operating at a speed which cannot be compared with other operating systems available.

While you perform detections in an extraordinary speed by use of this new interface and system, you will also follow your detections as supported by very satisfactory visual graphics. When you pass over the target 3 times, you will get all information, even depth. There is no target that Golden King Deep Processor Radar cannot detect.

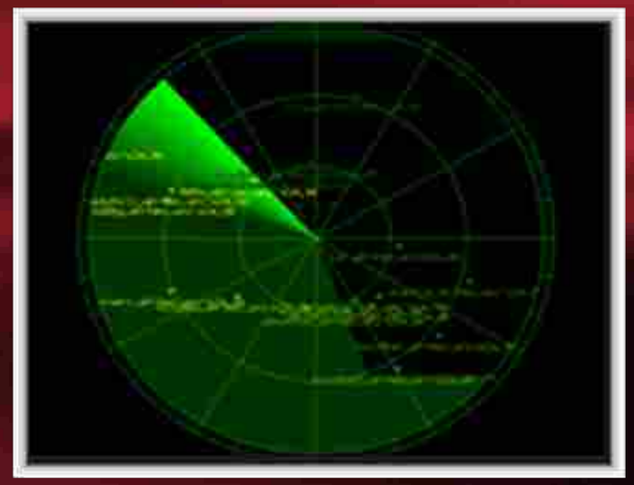
Nokta ENGINEERING



CALCULATION OF DIMENSION BY MEASURING IS OBSOLETE NOW!
Thanks to Smart Detection Heads on Golden King Deep Processor Radar, the depth is given on the Result screen without having to perform any extra operation.
Both 3D real time graphic and depth information is on Golden King Deep Processor Radar for the first time in the world.

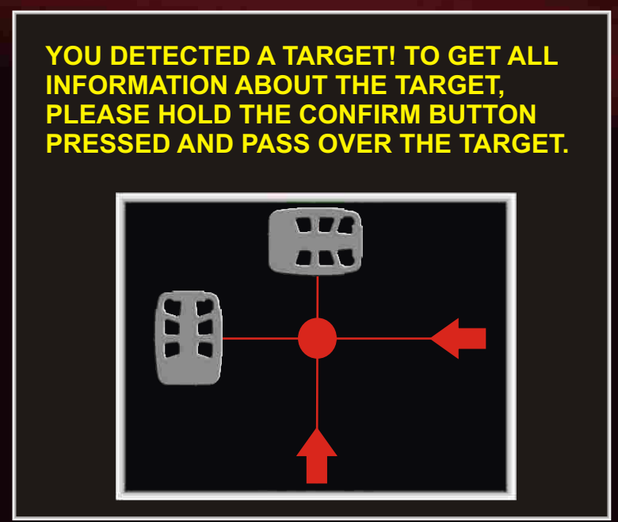
SCOPE SCREEN

During search by use of Golden King Deep Processor Radar, you will be able to monitor amplitude of target signal real time on SCOPE Screen easily.
With this screen, you will be able to easily find real time the peak amplitude of the signal center on the target signal and examine signal graphic of both cavity and metal targets.



RADAR SCREEN

One of the novelties of Golden King Deep Processor Radar is RADAR SCREEN on the Detection screens.
With this screen, while you follow up the operation being performed by the system, and you also get information about target immediately when it finds metal / cavity (negative / positive) target signals, causing change of color on the RADAR SCREEN.
RADAR SCREEN turns to red in case of Positive (Metal) signals. When it receives Negative (Cavity) signals, it turns to blue, giving the user initial information about the target it found. Thus it allows the user to perform his search and detection much more quickly.


YOU DETECTED A TARGET! TO GET ALL INFORMATION ABOUT THE TARGET, PLEASE HOLD THE CONFIRM BUTTON PRESSED AND PASS OVER THE TARGET.

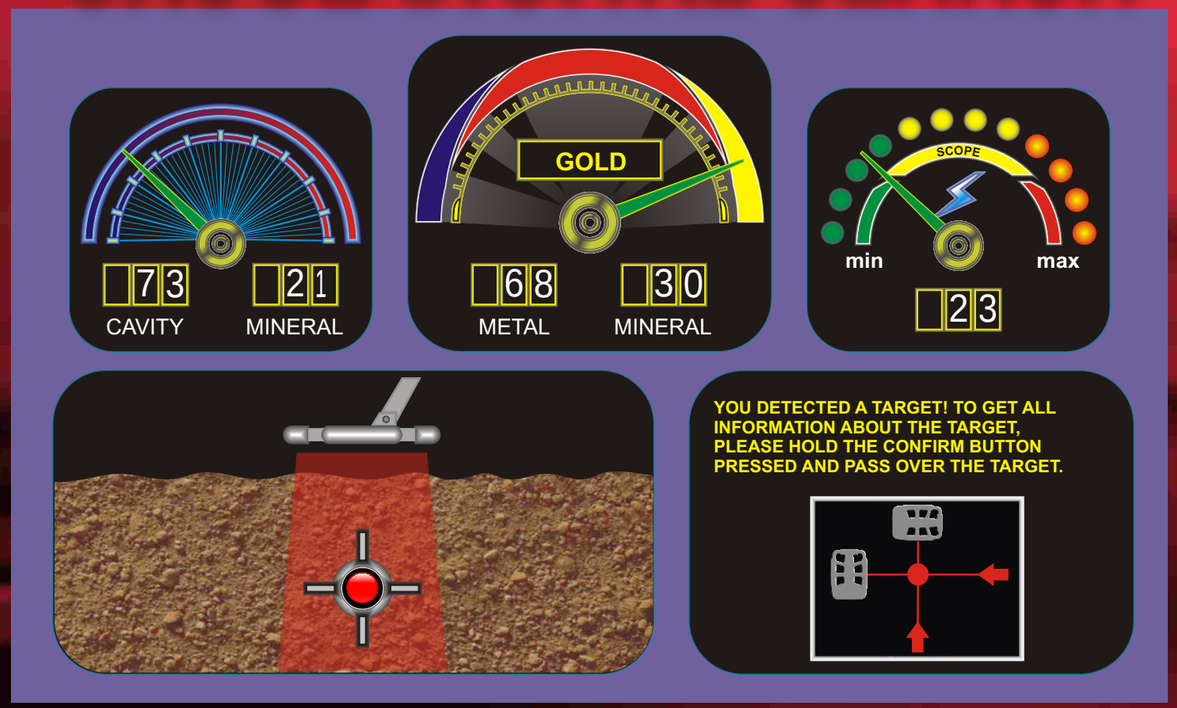
RAPORT SCREEN

Golden King Deep Processor Radar informs the user of the first data it obtained from the target signal and subsequent stage of operations through REPORT SCREENS in the Detection interfaces.

REPORT SCREEN does not only provide the Users with information about target signal, but it also guides the user for all warnings about the system as well as operations to be performed subsequently.

Like an assistant always beside you, REPORT SCREEN will operate throughout out your search and detection and be a partner of you which tells you all information you desire to have and controls every movement of you.

GAUGE DIGITAL SEARCH

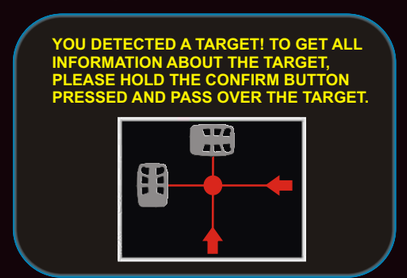


ANOTHER FIRST IN THE WORLD!

Golden King Deep Processor Radar provides you with two brand-new interfaces. With these new interfaces, you will enjoy to enter Digital world to unfold what is unknown and see what is invisible.

Select one of two interfaces in the settings menu to perform search as you desire.

The second of these interfaces is GAUGE DIGITAL SEARCH. Gauge search application is designed by considering your old habits. Designed in digital technology completely, Golden King Deep Processor Radar system, with its GAUGE DIGITAL SEARCH interface, allows you to search in line with your taste and inclination. Thanks to GAUGE DIGITAL SEARCH interface, all information and all graphics provided to the user by means of DIGITAL SEARCH interface are indicated by gauges in this interface. Additionally, Scope and Report Windows are exactly same in this interface, but with a different appearance.


YOU DETECTED A TARGET! TO GET ALL INFORMATION ABOUT THE TARGET, PLEASE HOLD THE CONFIRM BUTTON PRESSED AND PASS OVER THE TARGET.

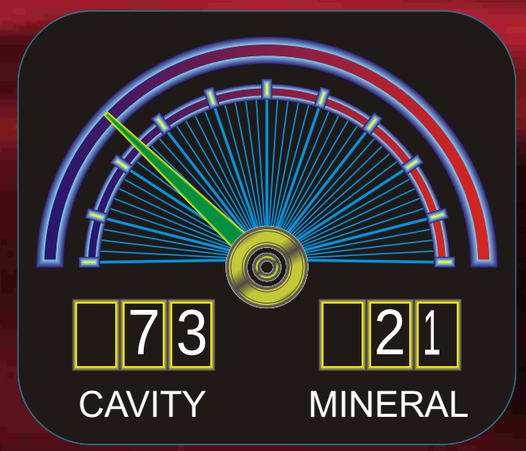
REPORT SCREEN

On the gauge search screen of Golden King Deep Processor Radar, your search and detection will be clearer and more entertaining.

While you view on the report screen clear information received from the target signal, and you are also informed about operation you will perform next.

METAL SECTION GAUGE

During your search by using Golden King Deep Processor Radar, you may track by means of GAUGE DIGITAL SEARCH all data and information received from the target signal. Is metal nonprecious? Or precious? Is it mixed? Or gold? You will track all information by help of Digital gauge on the window and see on the result screen the metals standing side by side. You will also be able to identify on this screen whether the signal received from the underground is mixed metal or not. Golden King Deep Processor Radar is a visual feast easy to use



CAVITY SECTION GAUGE

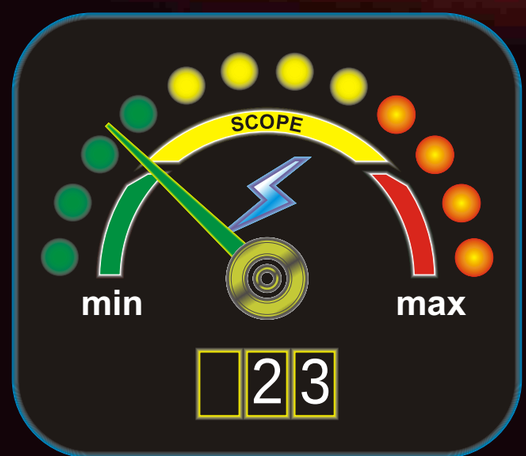
It is the section of the interface GAUGE DIGITAL SEARCH of Golden King Deep Processor Radar which contains cavity data.

In this section, you will also track the target cavity signals and see percentage expression numerically as well.

Thanks to this section, it will be much more convenient for you as complicated information will be eliminated.

By means of the gauge, you will be able to see status of the signal received from the target in real time.

Searching by means of Golden King Deep Processor Radar will be a fun beyond search.



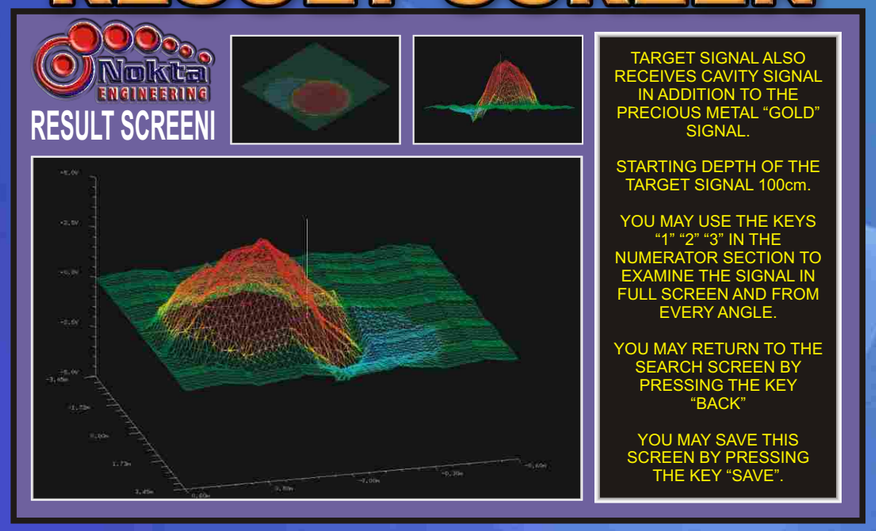
SCOPE SCREEN

During your search by means of Golden King Deep Processor Radar, you will easily follow amplitude of the signal real time on SCOPE Screen.

With this screen, you can easily identify the highest amplitude point of the signal center on the target signal in real time, examining both cavity or signal graphics of the metal at the same time.

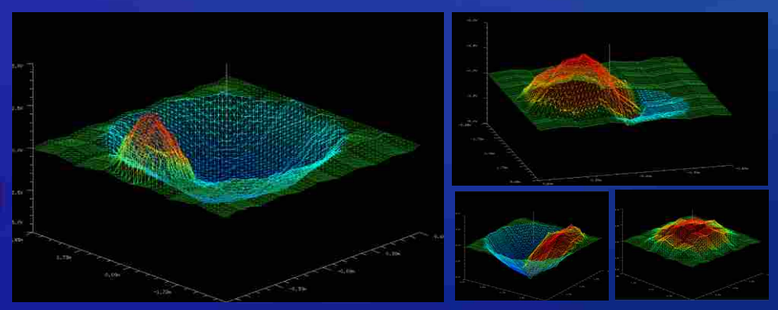
In case of search by using gauge, as different from the general detection, you may observe the highest point of the target signal. The highest level the gauge reaches shows the signal center of the target.

REAL TIME 3D RESULT SCREEN

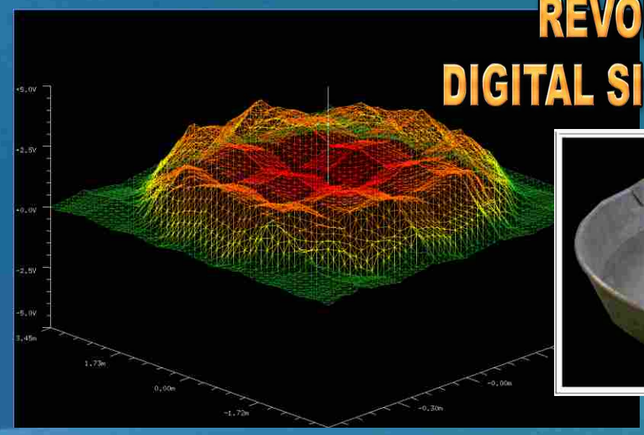

Nokta ENGINEERING
RESULT SCREENI
TARGET SIGNAL ALSO RECEIVES CAVITY SIGNAL IN ADDITION TO THE PRECIOUS METAL "GOLD" SIGNAL.
STARTING DEPTH OF THE TARGET SIGNAL 100cm.
YOU MAY USE THE KEYS "1" "2" "3" IN THE NUMERATOR SECTION TO EXAMINE THE SIGNAL IN FULL SCREEN AND FROM EVERY ANGLE.
YOU MAY RETURN TO THE SEARCH SCREEN BY PRESSING THE KEY "BACK"
YOU MAY SAVE THIS SCREEN BY PRESSING THE KEY "SAVE".

Golden King Deep Processor Radar is equipped with a technology no other system has worldwide. The biggest function making the system so important is its real time 3D digital signal processing which no system manufactured to receive data from the underground has succeeded. All system having 3D function could only give voltage graphic of the signal received by matching the most likely picture matching with the voltage value they receive from the ground. These graphics were placed in the system still during the manufacturing phase, trying to express millions of possibilities on site with a limited number of pictures. They were representative pictures that had nothing to do with the reality. Our target was to express millions of possibilities on the site and achieve fully 3D graphic of the signal. This function required an extraordinary technology and sound software. D&R department of Nokta Engineering is the first and single team worldwide which achieved to process 3D digital signal real time by combining all these requirements with its engineering background basing on long years. Nothing will be same now; Nokta Engineering starts new generation radar systems worldwide. It proves that it is a leading and pioneering firm not only in Turkey, but all over the world.

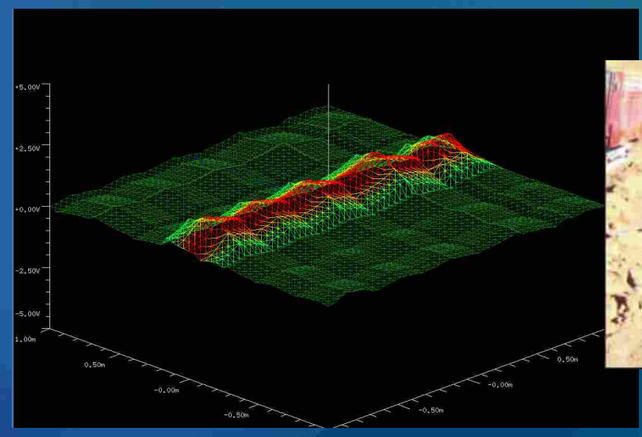
Golden King Deep Processor Radar examines the signals it receives on the site at high resolution.
It calculates real data at that time in voltage-time (Voltage Plot Time) and position-time (Distance Pilot Time), drawing 3D graphic of the underground structure in real time. 3D graphics taken from this unique technology show the place of the metal in the cavity in a clear way which has not been possible up to now and inform the user the signal-shape relation comfortably due to high resolution. All these results are offered by systematically which is easy to understand and use by everybody. Your searches and detection will become a real time and visual entertainment by means of Golden King Deep Processor Radar.

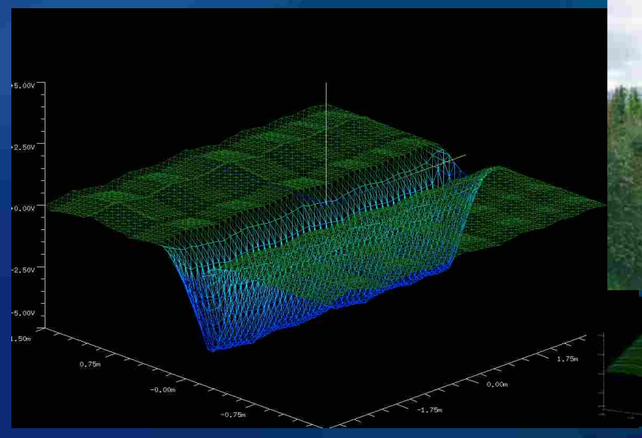


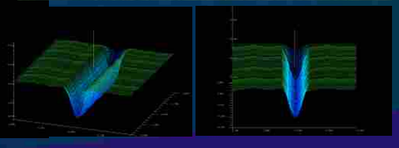
REVOLUTION IN THE DIGITAL SIGNAL PROCESSING!



Golden King Deep Processor Radar examines target signals real time for the first time worldwide, converting them to 3D signal graphics. Thanks to this technology applied for the first time, Nokta Engineering reached to a dazzling level, especially fort he objects larger than the diameter of the search head.
With the method we developed and technology we produced, we did something that has been unknown or told to be impossible so far. Able to search at vey high resolution (clarity) in a range of 0-8m, Golden King Deep Processor Radar now performs detailed examination of all target signals received from underground within seconds, communicating the same to the user.



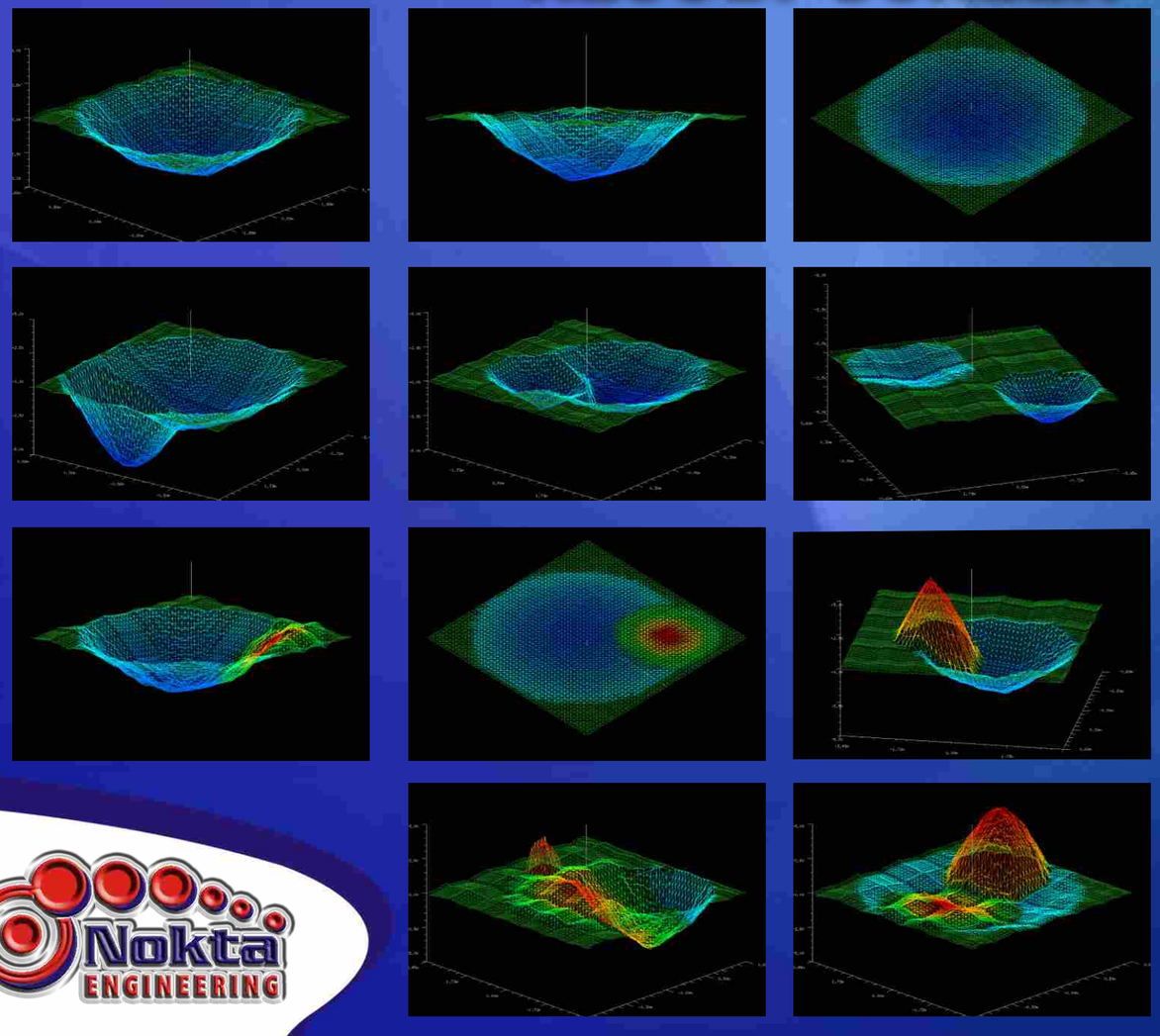




CAVITY

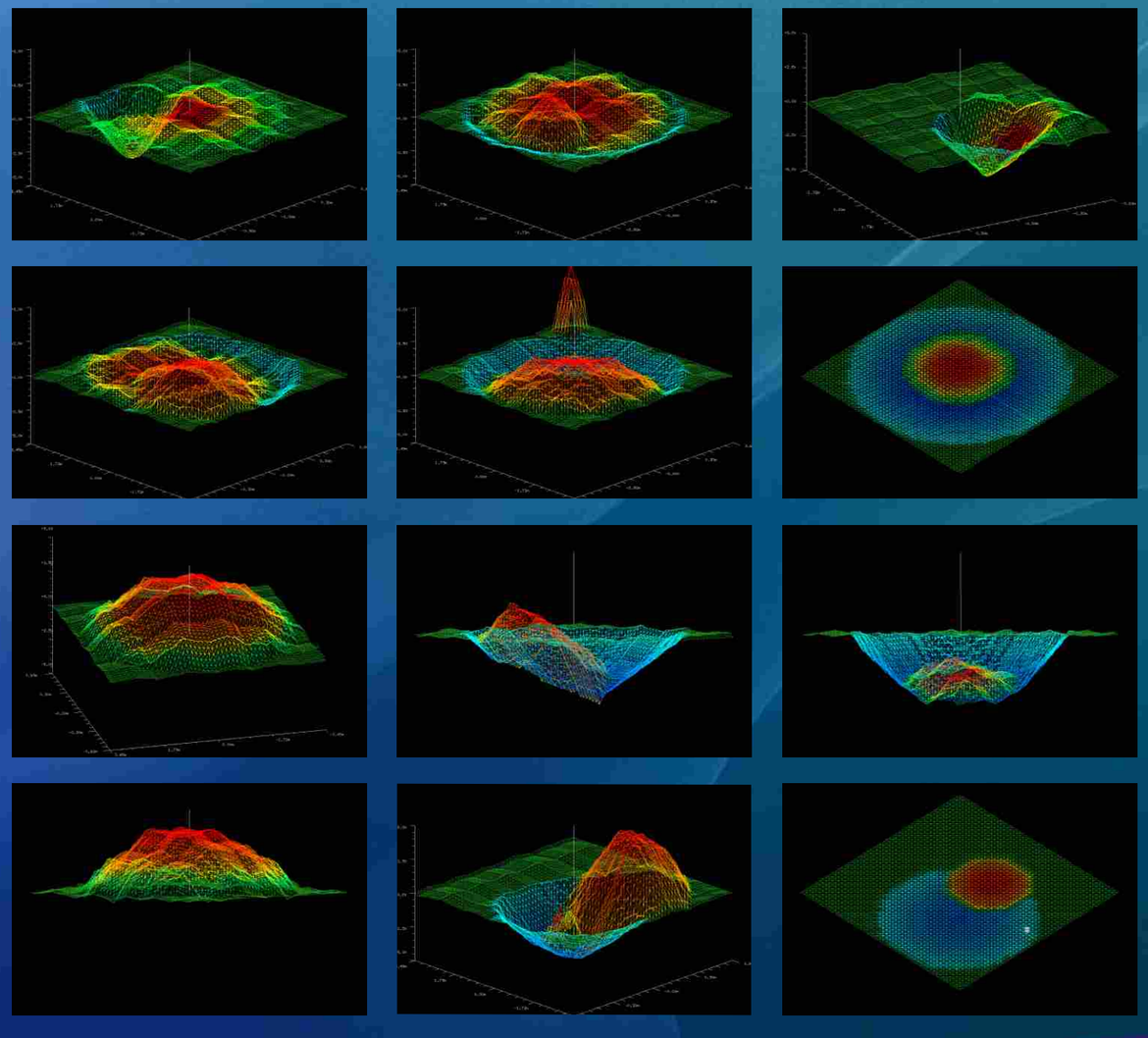
Golden King Deep Processor Radar 3D result screen has real time signal processing system used for the first time which is not available on any system worldwide. This system, unlike other 3D system, does not retrieve pictures which were previously saved, but does processing of target signal at the current time, providing the user with 3D graphics. You may rotate and examine the results it gives at any direction. There are millions of signal combinations on site and it is not possible to express these huge number of possibilities by means of a limited number of pictures like those systems sold up to 10,000-20,000 Euro. Having no picture in memory, Golden King Deep Processor Radar examines the received signal real time, converts it to graphics and allows the user to view it at any angle.
You see below cavity assessments taken on site; when you examine these natural structures, never same at all, you will not miss any cavities side by side, and thus you will be able to examine the target signals you received in more detail which has never been possible so far. When you study Cavity, Cavity Side by Side, metal data in the Cavity, you will see width-length info and voltage values of the target. By rotating in any direction, you can view the signal at any angle. Please do remember that the consumers pay ten thousands of Euro for false pictures worldwide. You have no limit to do with Golden King Deep Processor Radar.

RESULT SCREEN



METAL

Unique software and hardware used during assessment conducted by Golden King Deep Processor Radar gives a complete analysis of the target signal. On each signal received from underground, there is always ground effect. While it is not possible to see this effect on the ordinary or obsolete system, which is sometimes in very small sizes, you will be able to go down to the minutest details on Golden King Deep Processor Radar for examination purpose. You well enjoy your search and detection without missing any clue during your search and detection, benefiting from the highest technology. Please remember all systems other than Golden King Deep Processor Radar do not perform real time signal processing.
Times of frauds at cost of 10,000-20,000 are now over. It is now time of Golden King Deep Processor Radar
Below you see examples taken from results which were obtained on site during search of metal direction by using Golden King Deep Processor Radar. These examples are only several of millions of combinations which are found on site, unlike to each other. Golden King Deep Processor Radar is the single advanced system which allows you to examine target signal in detail with width-length and voltage info and easily follow the range over which you can perform search in real time without need of any external hardware or software.



Nokta ENGINEERING

SIGNS

Golden King Deep Processor Radar is with you, not only as a gian reference, but electronically as well during your search an detection.

In the signs menu of the setting menu of your system, 396 signs and symbols which you may come across on side were placed and interpreted by a team specialized on the subject.

Thanks to the system box designed on similar logic of Notebook, it is a valuable reference which you may have access at any time and wherever you are.

Select any sign and press the button «OK» to have access to related meaning and description of that sign. Technology means information.

And information means Golden King Deep Processor Radar.

Nokta ENGINEERING

396 SIGNS and THEIR DESCRIPTION

***SPIDER:** This ideogram is perceived as reflection of sun lights at first sight. This motive symbolizes patience, art and industrioursness.*

Although it has no certain expression in the archeological system, it is alleged, on basis of experience, that there is treasure at the place where this sign is seen. However, the picture of spider which led to this allegation is its actual picture. It is alleged that the hidden amount is very high, but full of traps and dangers.

TORTOISE: Whether is a carved or low relief picture, the image depicted by the tortoise in figure is very important:

1. **Walk on the direction of its head**
2. **Follow it in direction of its tail.**
3. **There is an obstacle (stone) in direction of its right front leg.**
4. **The heritage is on the back of the tortoise.**
5. **The heritage is on the back of the tortoise, on the top part.**
6. **It is related with the item three. However, after getting rid of the obstacle, a measurement shall be made in a separate space, but in the same direction (Tunnel).**
7. **Feet, head and tail retreated. There is a dangerous object (Trap).**
8. **There are no feet or any trace of them. Stop and examine in the same direction.**

Other pictures are given in our book.

SHIP: This symbol is generally seen on the Roman graves. For the Christians, it symbolizes Church promising happiness and comfort in the other world, away from all evils and sins.

The ship motive found on the open land is generally drawn in the spaces near to water sources or places where water is used. At such places, there is most likely a church.

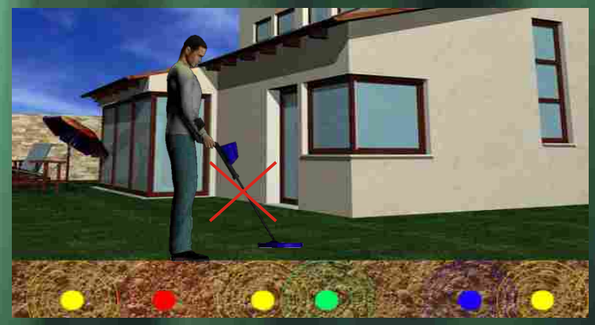
PIGEON: It is possible to say that there is grave here; if the pigeon is drawn in relief on a aesthetic and quality marble in an artful manner, then we can say that a person lying here is of high social status. And there may be grave gifts in his grave or near to the center.

USER'S MANUAL

One of the novelties brought by Golden King Deep Processor Radar is the user's manual incorporated in the system, which you can look again and again and when you need any information about use of the system.
It is designed in such a way that you can easily find to your satisfaction whatever you look for by pressing a single key in the Settings menu.

Golden King Deep Processor Radar system is very easy to use; it is designed with an extraordinary visual quality that can be used by everybody. Our objective to build the user's manual in the system is to prevent wrong trials or misuse, leading to operate the system at its real performance.
User's manual is consisted of several sections. These are:

* WARNINGS
* CORRECT TRIALS
* USER'S MANUAL
* USEFUL INFO



WARNINGS:

It is the section where you may find information when you use or try Golden King Deep Processor Radar about what you should give attention or about inappropriate trials or uses.
In this section, the Situations which you should not do are listed in an orderly and easily understandable manner by help of visual graphics and texts.

It is one of the sections which will be a really fun for you to read prior to operation after you purchase Golden King Deep Processor Radar.

Dear consumer:
By visiting our outlets, you may see all these characteristics you read in the brochure of GOLDEN KING DEEP PROCESSOR RADAR, the first example of new generation of radars manufactured by NOKTA ENGINEERING which is specialized on electromagnetic and radar system and surpassed all previous systems of metal detection systems, opening a totally new era, and many more features.
GOLDEN KING DEEP PROCESSOR RADAR is designed as a guiding system to be with you during your search and detection all the time. With its storage memory, 21.500 times the simple detector systems and powerful processor 150 times, it controls all operations including search, detection, information, 3D signal processing, camera recorder, gas sensor, search headings controlling movements of the user and the only thing left to the user is to accompany the system. With D.P.R. (Deep Processor Radar) being name of the system as well as the smart detection head system, you will be able to perform search in very considerable depth of 8m. You will be able to distinguish metals to a such degree that has never been possible with any other system up to now, enjoying your search by use of automatic surface setting.
Thanks to 3D graphic interface which uses an excellent display technology, performing real time signal processing, GOLDEN KING DEEP PROCESSOR RADAR is the first and single system you need for your search and detection.
Nothing will be same now.

YOU DREAMT,
NOKTA ENGINEERING REALIZED